

PTO-1449 Information Disclosure Citation in an Application		Application No. 10/849,346		Applicant(s) Mohammed N. Islam et al.	
		Docket Number 074036.0134		Group Art Unit 2873	
				Filing Date May 19, 2004	

U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>DIS</i>	A	4,011,009	03/08/77	Lama, et al.	385 ³⁵⁰	271 ^{62-R}	05/27/75
<i>DIS</i>	B	4,900,119	02/13/90	Hill, et al.	359 ³⁵⁰	511 ⁹⁰⁻⁴⁵	04/01/88
<i>DIS</i>	C	5,103,340	04/07/1992	Dono et al.	385	46	08/07/1991
<i>DIS</i>	D	5,212,743	05/18/93	Heismann	385	11	02/12/92
<i>DIS</i>	E	5,291,502	03/01/1994	Pezeshki et al.	372	20	09/04/1992
<i>DIS</i>	F	5,311,360	05/10/94	Bloom, et al.	359	572	04/28/92
<i>DIS</i>	G	5,343,542	08/30/1994	Kash et al.	385	31	04/22/1993
<i>DIS</i>	H	5,459,610	10/17/95	Bloom, et al.	359	572	05/20/93
<i>DIS</i>	I	5,500,761	03/19/96	Goossen, et al.	359	290	01/27/94
<i>DIS</i>	J	5,654,819	08/05/97	Goossen, et al.	359	291	01/07/95
<i>DIS</i>	K	5,659,418	08/19/97	Yurke	359	290	02/05/96
<i>DIS</i>	L	5,661,592	08/26/97	Bornstein, et al.	359	291	01/07/95
<i>DIS</i>	M	5,701,193	12/23/97	Vogel, et al.	359	290	02/21/96
<i>DIS</i>	N	5,745,271	04/28/98	Ford, et al.	359	130	07/31/96

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							YES	NO
<i>DIS</i>	O	0 667 548 A1	16.08.1995	EP	G02B	26/02	X	
<i>DIS</i>	P	0 689 078 A1	27.12.1995	EP	G02B	26/08	X	

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<i>DIS</i>	Q K. E. Petersen, "Micromechanical Light Modulator Array Fabricated On Silicon," Applied Physics Letters, Vol. 31, No. 8, pp. 521-523	10/15/77
<i>DIS</i>	R C. Marxer, et al., "Megahertz Opto-Mechanical Modulator," Elsevier Science S.A., pp. 46-50	1996
<i>DIS</i>	S C. M. Ragdale, et al., "Integrated Three Channel Laser and Optical Multiplexer for Narrowband Wavelength Division Multiplexing," Electronics Letters, Vol. 30, No. 11, pp. 897-898	05/26/94
<i>DIS</i>	T K. O. Hill, et al., "Narrow-Bandwidth Optical Waveguide Transmission Filters," Electronic Letters, Vol. 23, No. 9, pp. 465-466	04/23/87
<i>DIS</i>	U C. M. Ragdale, et al., "Integrated Laser and Add-Drop Optical Multiplexer for Narrowband Wavelength Division Multiplexing," Electronic Letters, Vol. 28, No.89, pp. 712-714	04/09/92
<i>DIS</i>	V K. Aratani, et al., "Process and Design Considerations for Surface Micromachined Beams for A Tuneable Interferometer Array in Silicon," Handbook of Physics, pp. 230-235	1993

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<div style="font-size: 1.5em; font-family: cursive;">DB</div>	A	5,751,469	05/12/98	Arney, et al.	359	291	02/01/96
	B	5,774,252	06/30/1998	Lin et al.	359	224	04/19/1996
	C	5,825,528	10/20/98	Goossen	359	291	12/26/95
	D	5,835,255	11/10/98	Miles	359	291	05/05/94
	E	5,841,579	11/24/98	Bloom, et al.	359	572	06/07/95
	F	5,850,492	12/15/98	Morasca, et al.	385	11	11/06/96
	G	5,870,221	02/09/99	Goossen	359	290	07/25/97
	H	5,909,303	06/01/1999	Trezza et al.	359	248	01/03/1997
	I	5,914,804	06/22/99	Goossen	359	291	01/28/98
	J	5,920,391	07/06/1999	Grasdepot et al.	356	352	04/22/1998
	K	5,943,155	08/24/99	Goossen	359	247	08/12/98
	L	5,943,158	08/24/99	Ford, et al.	359	295	05/05/98
	M	5,943,454	08/24/99	Aksyuk, et al.	385	22	08/15/97
<div style="font-size: 1.5em; font-family: cursive;">↓</div>	N	5,949,571	09/07/99	Goossen, et al.	359	291	07/30/98

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<div style="font-size: 1.5em; font-family: cursive;">DB</div>	O	0 788 005 A2	06.08.1997	EP	G02B	26/02	X	
<div style="font-size: 1.5em; font-family: cursive;">DB</div>	P	99/34484	08.07.1999	WO	H01S		X	
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	S W.R. Wiszniewski, et al., "Mechanical Light Modulator Fabricated On A Silicon Chip Using Simox Technology, pp. 1027-1030	Undated
	T M.W. Chbat, "High-spectral-efficiency transmission systems," OFC 2000, Baltimore, MD, pp TuJ1-1, 134-136	
	U J.W. Bayless, et al., "The Specification and Design of Bandlimited Digital Radio Systems," IEEE Transactions on Communications, Vol. COM-27 (12): pp. 1763-1770	
<div style="font-size: 1.5em; font-family: cursive;">↓</div>	V D.E. Sene, et al., "Polysilicon Micromechanical Gratings for Optical Modulation," Elsevier Vol. Sensors and Actuators (A 57), pp. 145-151	

EXAMINER <div style="font-size: 1.5em; font-family: cursive;">DON. SJO</div> <div style="text-align: center; font-weight: bold;">DAVID SPECTOR PRIMARY EXAMINER</div>	DATE CONSIDERED <div style="font-size: 1.5em; font-family: cursive;">8/30/2004</div>
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	074036.0134	2873	May 19, 2004

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D/S	A	5,949,801	09/07/1999	Tayebati	372	20	07/22/1998
	B	5,960,133	09/28/99	Tomlinson	385	18	01/27/98
	C	5,974,207	10/26/99	Aksyuk, et al.	385	24	12/23/97
	D	5,986,796	11/16/99	Miles	359	260	11/05/96
	E	5,999,319	12/07/1999	Castracane	359	573	04/29/1998
	F	6,002,513	12/14/99	Goossen, et al.	359	291	06/22/98
	G	6,025,950	02/15/2000	Tayebati et al.	359	244	07/27/1998
	H	6,041,071	03/21/2000	Tayebati	372	64	09/27/1996
	I	6,123,985	09/26/2000	Robinson et al.	427	162	10/28/1998
	J	6,204,946 B1	03/20/2001	Aksyuk et al.	359	131	11/12/97
	K	0055147 A1	12/27/2001	Little et al.	359	293	03/20/2001
	L	6,271,052 B1	08/07/2001	Miller et al.	438	50	10/19/2000
✓	M	6,301,274 B1	10/09/2001	Tayebati et al.	372	20	03/30/1999

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							YES	NO
D/S	N	01/67156 A2	13.09.2001	WO	G02B	26/00	X	
	O	01/67157 A2	13.09.2001	WO	G02B	26/00	X	
	P	01/67158 A2	13.09.2001	WO	G02B	26/00	X	
	Q	01/67171 A2	13.09.2001	WO	G02F	1/21	X	
✓	R	01/75497 A1	11.10.2001	WO	G02B	6/35	X	

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D/S	S	D.M. Burns, et al., "Micro-Electro-Mechanical Variable Blaze Gratings," IEEE 10th Annual International Workshop on Micro Mechanical Systems, pp. 385-391	1997
	T	L.Y. Lin, et al., "Micromachined polarization-state controller and its application to polariz ation-mode dispersion compensation," OFC 2000, Baltimore, MD, pp. ThQ3-1, 244-246	2000
	U	J.W. Bayless, et al., "High Density Digital Data Transmission," National Telecommunications Conference, Dallas, TX, pp. 1-6	1976
✓		R.W. Corrigan, et al., "17.3: Calibration of a Scanned Linear Grating Light Value Projection System," www.siliconlight.com	1999

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DATE CONSIDERED

DAVID SPECTOR

8/30/2004

PRIMARY EXAMINER

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	B	6,373,632 B1	04/16/2002	Flanders	359	578	08/25/2000
	C	6,381,387 B1	04/30/2002	Wendland, Jr.	385	37	08/02/2000
		6,407,851 B1	06/18/2002	Joyner et al.	385	14	10/08/2002
	D	2002/0035193 A1	02/20/2003	Islam et al.	359	290	08/22/2002
	E	2003/0081878 A1	05/01/2003	Joyner et al.	385	14	10/08/2002
	F	2003/0086465 A1	05/08/2003	Peters et al.	372	50	10/30/2002
<div style="font-family: cursive;">✓</div>	G	2003/0095736 A1	05/22/2003	Kish, JR. et al.	385	14	10/08/2002
<div style="font-family: cursive;">DIS</div>	H	2003/0095737 A1	05/22/2003	Welch et al.	385	14	10/08/2002
	I	6,597,492 B2	07/22/2003	Islam et al.	359	291	08/22/2002
<div style="font-family: cursive;">DIS</div>	J	6,611,366 B1	08/26/2003	Islam et al.	359	291	04/22/2002
<div style="font-family: cursive;">DIS</div>	K	6,654,157 B2	11/25/2003	Islam et al.	359	291	08/22/2002

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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<div style="font-family: cursive;">DIS</div>	L	WO 01/37021 A1	14.11.2000	PCT	G02B	6/42	X	
	M	WO 01/79795 A1	22.03.2001	PCT	G01J	3/28	X	
<div style="font-family: cursive;">✓</div>	N	WO 02/056521 A1	02.11.2001	PCT	H04J	14/00	X	

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<div style="font-family: cursive;">DIS</div>	O	SLM "GLV Technology," www.siliconlight.com
	P	R.W. Corrigan, et al., "Grating Light Valve Technology for Projection Displays," Presented at the International Display Workshop, Kobe, Japan
	Q	M. Ming, et al., "Principles and Applications of Optical Communications," Irwin, pp. 468 & 470
	R	SLM "The Grating Light Valve Technology," www.siliconlight.com
	S	SLM "The Scanned Grating Light Valve Display Architecture," www.siliconlight.com
<div style="font-family: cursive;">✓</div>	T	A. Willner, "WDM Systems 1," OFC '97, Dallas, TX, pp. TuJ, 43-45

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	A						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DB	B	WO 02/059655 A2	20.12.2001	PCT	G02B		X
	C	WO 02/06860 A1	11.07.2001	PCT	G02B	5/18	X
↓	D	WO 02/10822 A1	31.07.2001	PCT	G02B	6/34	X
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	F	D.T. Amm, et al., "5.2: Grating Light Valve Technology: Update and Novel Applications," Presented at Society for Information Display Symposium, Anaheim, CA, pp. 1-4					1999
	G	J.E. Ford, et al., "Fiber-Coupled Variable Attenuator Using a MARS Modulator," SPIE, Vol. 3226, pp. 86-96					1997
	H	D.M. Burns, et al., "Development of Micromechanical Variable Blaze Gratings," Elsevier Science S.A., vol. Sensors and Actuators, pp. 7-15					1998
	I	C.K. Madsen, et al., "A Tunable Dispersion Compensating MEMS All-Pass Filter," IEEE Photonics Technology Letters, Vol. 12 (6), pp. 651-653					2000
	J	J.E. Ford, et al., "Passband-Free Dynamic WDM Equalization," ECOC '98, Madrid, Spain, pp. 317-318					1998
	K	K.W. Goossen, et al., "Micromechanical Gain Slope Compensator for Spectrally Linear Optical Power Equalization					2000
	L	K.W. Goossen, et al., "Silicon Modulator Based on Mechanically-Active Anti-Reflection Layer with 1 Mbit/sec Capability for Fiber-In-the-Loop Applications," IEEE Photonics Technology Letters, Vol. 6 (9), pp. 1119-1121					1994
	M	L.Y. Lin, et al., "Angular-Precision Enhancement in Free-Space Micromachined Optical Switches," IEEE Photonics Technology Letters, Vol. 11 (10), pp. 1253-1255					1999
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	Q	E.P. Furlani, et al., "Theory and simulation of viscous damped reflection phase gratings," J. Phys. D: Appl. Phys., Vol. 32, pp. 412-416					1999
↓	R	K. Aratani, et al., "Surface micromachined tuneable interferometer array," Sensors and Actuators, Vol. 43, pp. 17-23					1994
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OK	B	WO 01/37021 A1	14.11.2000	PCT	G02B	6/42	X
↓	C	WO 01/79795 A1	22.03.2001	PCT	G01J	3/28	X
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	F	S.R. Mallinson, "Wavelength-selective filters for single-mode fiber WDM systems using Fabry-Perot Interferometers," Applied Optics, Vol. 26 (3), pp. 430-436					1987
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	L	Agrawal, "Fiber-Optic Communication Systems," A Wiley-Interscience Publication, The Institute of Optics University of Rochester NY, pp. 284-360					1997
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I	C	WO 02/06860 A1	11.07.2001	PCT	G02B	5/18	X	
↓	D	WO 02/10822 A1	31.07.2001	PCT	G02B	6/34	X	
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	K	"1-D vs. 2-D vs. 3-D MEMS Optical Switch Architectures," Network Photonics, pp. 1-3						Undated
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EXAMINER		DAVID SPECTOR PRIMARY EXAMINER			DATE CONSIDERED 8/30/2004			

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PTO-1449 Information Disclosure Citation in an Application	Application No. 10/849346	Applicant(s) Mohammed N. Islam et al.	
	Docket Number 074036.0134	Group Art Unit 2873	Filing Date May 19, 2004

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
	J						
	K						
	L						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
D/S	M	WO 02/21191 A1	07.09.2001	PCT	G02B	27/10	X	
D/S		WO 02/50588 A1	20.12.2001	PCT	G02B	6/26	X	

NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
D/S	N	Goossen et al., "Integrated mechanical anti-reflection switch (MARS) device for fiber-to-the-home applications," http://mirlynweb.lib.umich.edu/WebZ/FETCH?sessionId=01-35557-462149016&recno=13&re	05/08/2002
D/S	O	"ELASTIC-45 tunable interferometer component," Solus, Preliminary Datasheet and applications	Undated
	P		
	Q		
	R		
	S		

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